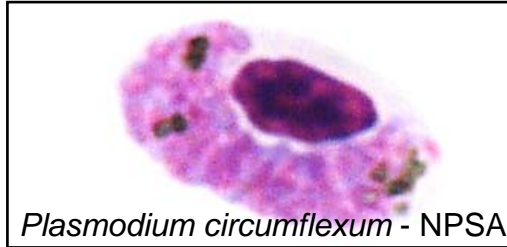


# Risk Assessment for Avian Diseases in Pacific Parks

PIERC Project Leader: Carter Atkinson, Ph.D.



Collared Kingfisher - NPSA



*Plasmodium circumflexum* - NPSA



*Trypanosoma avium* - NPSA

## Objectives:

- ☆ Determine prevalence of avian pox and malaria in NPSA (FY01), HALE (FY02), KALA(FY03) and risks to avifauna
- ☆ Identify vectors, larval habitats, feasibility and scale for control

## Accomplishments (FY01):

- ☆ Collected blood samples from over 300 forest birds on Tutuila, Ta'u, and Ofu-Olosega Islands in American Samoa
- ☆ Identified *Plasmodium circumflexum* (top, right) and *Trypanosoma avium* (bottom, right) on blood smears

## Significance:

- ☆ First identification of avian hematozoa from central Pacific
- ☆ High prevalence of chronic infections suggests that these parasites are endemic and not a threat to avifauna of NPSA